

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	227	RFID insulat\$4 near10 ((circuit adj board) or chip or pcb)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:11
S2	16	(RFID insulat\$4 near10 ((circuit adj board) or chip or pcb)).ab.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:15
S3	6	S2 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:17
S4	65	(RFID near10 (insulat\$4 or non\$1conduct\$4 or rubber) near10 ((circuit adj board) or chip or pcb))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:16
S5	1	(RFID near1 (insulat\$4 or non\$1conduct\$4 or rubber) near1 ((circuit adj board) or chip or pcb))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:16
S6	26	(RFID near5 (insulat\$4 or non\$1conduct\$4 or rubber) near5 ((circuit adj board) or chip or circuit\$1board or pcb))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:08
S7	7	S6 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:09
S8	1	(US-20020044057-\$).did.	US-PGPUB	AND	ON	2007/09/28 15:22
S9	1	S8 ((insulat\$4 or non\$1conduct\$4 or rubber) near50 ((circuit adj board) or chip or circuit\$1board or pcb))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/28 15:22
S10	889	(RFID near5 ((circuit adj board) or chip or circuit\$1board or pcb) near5 (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:08
S11	574	(RFID near5 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:09
S12	184	(RFID near ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:09
S13	27	S12 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:10
S14	184	(RFID near1 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:09

## EAST Search History

S15	352	(RFID near3 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:16
S16	74	S15 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:16
S17	81	(RFID ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna)).ab.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:17
S18	9	S16 S17	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:10
S19	242	(RFID near3 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) adj(antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:16
S20	242	(RFID near3 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:16
S21	56	S20 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:17
S22	241	(RFID near3 (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:41
S23	56	S22 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:17
S24	5230	(RFID ).ab.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S25	18	S23 S24	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 09:17
S26	2219	(RFID ).ti.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S27	241	(RFID near3 (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S28	56	S27 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:41
S29	9	S26 S28	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40

## EAST Search History

S30	5230	(RFID ).ab.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S31	18	S28 S30	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S32	0	S29 not S31	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:40
S33	135	(RFID near (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:41
S34	18	S33 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:41
S35	172	(RFID near2 (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:14
S36	27	S35 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S37	26	(RFID near5 (insulat\$4 or non\$1conduct\$4 or rubber) near5 ((circuit adj board) or chip or circuit\$1board or pcb))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S38	7	S37 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S39	352	(RFID near3 ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S40	74	S39 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:14
S41	81	(RFID ((circuit adj board) or chip or micro\$1chip or circuit\$1board or pcb) near (antenna)).ab.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S42	9	S40 S41	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 12:42
S43	11	S36 not (S38 or S42 or S31)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:14
S44	300	(RFID near5 (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:20

## EAST Search History

S45	63	S44 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S46	34	S45 not (S38 or S42 or S31 or S43)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S47	2366	(235/492).CCLS.	USPAT; USOCR	OR	OFF	2007/09/30 15:17
S48	3048	(235/380).CCLS.	USPAT; USOCR	OR	OFF	2007/09/30 15:17
S49	857	(RFID (chip or micro\$1chip or (micro adj chip)) adj (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S50	4679	S47 or S48	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S51	31	S49 S50	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S52	11	S51 @AD<"20030327"	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S53	10	S52 not (S38 or S42 or S31 or S43)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 15:18
S54	1	(US-20030214388-\$).did.	US-PGPUB	AND	ON	2007/09/30 19:44
S55	0	S54 print\$4 near antenna	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:48
S56	0	S54 (print\$4 near antenna)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:48
S57	1	S54 (print\$4 near2 antenna)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:49
S58	1	S54 (print\$4 near20 antenna)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:49
S59	1	S54 (antenna)	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:49
S60	1	(US-6259369-\$).did.	USPAT	AND	ON	2007/09/30 19:52
S61	1	S60 (chip or ic or semi\$1conductor or (integrated adj circuit)) near10 antenna	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:57
S62	1	(US-6100804-\$).did.	USPAT	AND	ON	2007/09/30 19:57

## EAST Search History

S63	1	S62 (chip or ic or semi\$1conductor or (integrated adj circuit)) near10 antenna	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 19:57
S64	6	(US-20030214388-\$).did. or (US-6259369-\$ or US-6100804-\$ or US-6268796-\$ or US-6837438-\$). did. or (JP-2004220413-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2007/09/30 23:27
S65	0	S64 insulat\$5 near20 (mount\$6 or install&6 or glu\$4 or fix\$6)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:22
S66	1	S64 (insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4) ) near20 (mount\$6 or install&6 or glu\$4 or fix\$6)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:21
S67	6	S64 (insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:23
S68	1369	(RFID near50 (chip or micro\$1chip or (micro adj chip)) near5 (antenna))	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:20
S69	0	S64 insulat\$5 near20 ( affix\$5 or attach\$4 or (plac\$4 adj on))	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:22
S70	6	S64 (insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4) near10 ( affix\$5 or attach\$4 or (plac\$4 adj on)) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:23
S71	6	S64 (insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4) near1 ( affix\$5 or attach\$4 or (plac\$4 adj on)) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:25
S72	1	S64 ((insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4)) near1 ( affix\$5 or attach\$4 or (plac\$4 adj on)) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:25
S73	1	S64 ((insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4)) near11 ( affix\$5 or attach\$4 or (plac\$4 adj on)) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:26
S74	1	S64 ((insulat\$5 or non\$1conduct\$4 or (non adj conduct\$4)) near99 ( affix\$5 or attach\$4 or (plac\$4 adj on)) )	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:20
S75	626	S68 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near10 (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:27

## EAST Search History

S76	174	S68 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near1 (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:37
S77	113	S68 rfid near20 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near1 (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:29
S78	7	S68 rfid near2 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near1 (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:28
S79	7	S68 rfid near2 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:28
S80	9	S77 @AD<"20020401"	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:29
S81	18	S76 @AD<"20020401"	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:29
S82	12	(US-7103886-\$ or US-7024700-\$ or US-6879264-\$ or US-6806808-\$ or US-6770831-\$ or US-6758802-\$ or US-6747561-\$ or US-6705522-\$ or US-6617963-\$ or US-6467888-\$ or US-6260049-\$ or US-5629981-\$). did.	USPAT	AND	ON	2007/10/01 00:36
S83	12	S82 (stor\$5 or memor\$8 or record\$4 or history or log\$5) near1 (process or step or method or procedure)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:39
S84	1	"5,469,363".pn.	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 00:39
S85	1	(US-6100804-\$).did.	USPAT	AND	ON	2007/10/01 01:20
S86	1	S85 (mount\$6 or install&6 or glu\$4 or fix\$6 or surface\$1mount\$5 or surface\$1mount\$5 or affix\$5 or attach\$4 or (plac\$4 adj on))	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:28
S87	0	S85 (mount\$6 or install&6 or glu\$4 or fix\$6 or surface\$1mount\$5 or surface\$1mount\$5 or affix\$5 or attach\$4 or (plac\$4 adj on)) near99 (board or pcb or circuit\$1board)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:29

## EAST Search History

S88	2	S64 (mount\$6 or install&6 or glu\$4 or fix\$6 or surface\$1mount\$5 or surface\$1mount\$5 or affix\$5 or attach\$4 or (plac\$4 adj on)) near99 (board or pcb or circuit\$1board)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:29
S89	7	(US-20030214388-\$).did. or (US-6259369-\$ or US-6100804-\$ or US-6268796-\$ or US-6837438-\$ or US-5469363-\$).did. or (JP-2004220413-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:29
S90	3	S89 (mount\$6 or install&6 or glu\$4 or fix\$6 or surface\$1mount\$5 or surface\$1mount\$5 or affix\$5 or attach\$4 or (plac\$4 adj on)) near99 (board or pcb or circuit\$1board)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:32
S91	1	S85 (board or pcb or circuit\$1board)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:32
S92	2	(US-6100804-\$ or US-6268796-\$).did.	USPAT	AND	ON	2007/10/01 01:56
S93	1	S92 resin	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 01:59
S94	2	S92 ((wire adj bonding) or wire\$1bonding or flip\$1chip or (flip adj chip))	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 02:08
S95	2	S92 (recess or hole or aperture or opening)	US-PGPUB; USPAT; JPO	AND	ON	2007/10/01 02:08

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	605	(card or fob or tag) near999 (contact near10 (chip or IC or processor or micro\$1processor)) near999 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:04
S2	570	(card or fob or tag) near10 (contact near10 (chip or IC or processor or micro\$1processor)) near10 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:11
S3	410	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:04
S4	143	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:05
S5	115	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor)) antenna	US-PGPUB; USPAT	AND	ON	2006/10/01 21:05



## EAST Search History

S6	29	(card or fob or tag) near1 (contact near1 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor)) antenna	US-PGPUB; USPAT	AND	ON	2006/10/01 21:07
S7	18	S6 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:12
S8	144	(card or fob or tag) near10 (contact near10 (chip or IC or processor or micro\$1processor)) near10 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near10 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:11
S9	103	(card or fob or tag) near5 (contact near5 (chip or IC or processor or micro\$1processor)) near5 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near5 (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near5 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:12
S10	21	(card or fob or tag) near3 (contact near (chip or IC or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:14
S11	12	S10 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:15

## EAST Search History

S12	21	(card or fob or tag) near3 (contact near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:19
S13	12	S12 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:42
S14	21	(card or fob or tag) near3 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:58
S15	0	S14 not S12	US-PGPUB; USPAT	AND	ON	2006/10/01 21:22
S16	30	(card or fob or tag) near20 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near20 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near5 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:44
S17	30	S16 ((both or dual or multiple or plural\$4 or several or many or few or two or dual or (more than one) or second) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:42

## EAST Search History

S18	13	S17 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:45
S19	1	S18 not S11	US-PGPUB; USPAT	AND	ON	2006/10/01 21:43
S20	87	(card or fob or tag) near20 ((contact or ((ISO\$IIEC or ISO or IEC) adj "7816")) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near20 ((contact\$1less or (contact adj less) or ((ISO\$IIEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:44
S21	74	S20 not (S11 or S18)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01
S22	22	S21 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01
S23	0	((combination or hybrid) near3 card).ab. (card near3 ((contact or ((ISO\$IIEC or ISO or IEC) adj "7816")) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor))) (card near3 ((contact\$1less or (contact adj less) or ((ISO\$IIEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:00
S24	0	((combination or hybrid) near3 card).ab. ((contact or ((ISO\$IIEC or ISO or IEC) adj "7816")) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$IIEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01

## EAST Search History

S25	7	((combination or hybrid) near3 card).ab. ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816"))) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01
S26	4	S25 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:38
S27	4	S26 not (S11 or S18 or S22)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:36
S28	106	RFID near2 (chip adj antenna)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:19
S29	17	(RFID near2 (chip adj antenna)).ab.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:15
S30	221	RFID near10 "chip antenna"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:18
S31	106	RFID near2 "chip antenna"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:19
S32	26	(RFID "chip antenna").ab.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:34
S33	25	S32 (RFID near20 (chip adj antenna))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:35
S34	1	(US-6164551-\$).did.	USPAT	AND	ON	2006/10/01 22:34
S35	0	S34 (RFID near10 chip near10 antenna)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:34
S36	0	S34 (RFID near9 chip near99 antenna)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:34
S37	25	S32 (RFID near20 ((chip or ic or (intergrated adj circuit) or semi\$1conductor) adj antenna))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:36
S38	0	S37 not (S11 or S18 or S22 or S32)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:36
S39	0	S34 (RFID near20 ((chip or ic or (intergrated adj circuit) or semi\$1conductor) adj antenna))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:37
S40	0	S34 (RFID near20 ((chip or ic or (intergrated adj circuit) or semi\$1conductor) near20 antenna))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:37

## EAST Search History

S41	0	S34 (RFID near999 ((chip or ic or (intergrated adj circuit) or semi\$1conductor) near999 antenna))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:37
S42	11331	((chip or ic or (intergrated adj circuit) or semi\$1conductor) near999 antenna)	US-PGPUB; USPAT	AND	ON	2006/10/01 22:37
S43	1220	((chip or ic or (intergrated adj circuit) or semi\$1conductor) near999 antenna).ab.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:37
S44	202	((chip or ic or (intergrated adj circuit) or semi\$1conductor) near999 antenna).ti.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:38
S45	102	((chip or ic or (intergrated adj circuit) or semi\$1conductor) adj antenna).ti.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:38
S46	4	((chip or ic or (intergrated adj circuit) or semi\$1conductor) adj antenna).ti. rfid	US-PGPUB; USPAT	AND	ON	2006/10/01 22:41
S47	4	S46 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:39
S48	4	(US-20030132430-\$ or US-20020192856-\$).did. or (US-6770509-\$ or US-6646328-\$). did.	US-PGPUB; USPAT	AND	ON	2006/10/01 22:41
S49	4	S48 (((chip or ic or (intergrated adj circuit) or semi\$1conductor) near5 antenna) rfid)	US-PGPUB; USPAT	AND	ON	2006/10/01 23:47
S50	1	("6268796").PN.	US-PGPUB; USPAT	AND	ON	2006/10/01 23:50
S51	3	("5965867" "6179210" "6421248"). PN.	US-PGPUB; USPAT	AND	ON	2006/10/02 00:01
S52	1	S51 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:04
S53	2	("6431456" "6440773").PN.	US-PGPUB; USPAT	AND	ON	2006/10/02 00:01

## EAST Search History

S54	1	S53 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:26
S55	1	S53 ((contact near99 non\$1contact) (multi\$1purpose or (multi adj purpose)))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:27